



0070450A7

110 Delta Drive
 Pittsburgh, PA 15238
 NAFTA Sales: (1)800-245-3984
 HK Sales : (852)3102-9337
 magnetics@spang.com



| Kool M μ Ultra Permeability (μ) | A _L (nH/T ²) | Core Marking | | | Coating Color |
|---|-------------------------------------|--------------|-------------|------------------|---------------|
| | | Lot Number | Part Number | Inductance Grade | |
| 40 | 72 \pm 8% | XXXXXX | 70450A7 | N/A | Black |

| Dimensions | Uncoated | | Coated Limits | | | Packaging |
|------------|----------|-------|---------------|-------|-----|---|
| | (mm) | (in) | (mm) | (in) | | |
| OD (A) | 42.90 | 1.689 | 43.84 | 1.726 | max | Cardboard cut-outs Box Qty = 120 Pcs |
| ID (B) | 24.21 | 0.953 | 23.39 | 0.921 | min | |
| HT (C) | 16.26 | 0.640 | 17.27 | 0.680 | max | |

| Electrical Characteristics | | | Physical Characteristics | | | | | | |
|---|------------------------|-----------|---|-------------------------|---|---|---------------------------------|--|-----------------|
| Watt Loss @ 100kHz, 100mT max (mW/cm ³) | DC Bias min (oersteds) | | Voltage Breakdown wire to wire min (V _{AC}) | Break Strength min (kg) | Window Area W _a (mm ²) | Cross Section A _e (mm ²) | Path Length L _e (mm) | Volume V _e (mm ³) | Est. Weight (g) |
| | 300 | 80% 65 | | | | | | | |

| Winding Information | | | | | Temperature Rating | |
|-------------------------|------|----------------|------|---------------------------------|--------------------|--|
| Winding Length Per Turn | | | | Wound Coil Dimensions (mm) | | Curie Temp: 500°C |
| Winding Factor | (mm) | Winding Factor | (mm) | 40% Winding Factor | | Coating Temp (Continuous up to): 200°C |
| | | | | OD | HT | |
| 0% | 55.0 | 40% | 66.8 | Max OD | 51.0 | Notes: |
| 20% | 61.0 | 45% | 68.6 | Max HT | 34.1 | |
| 25% | 62.4 | 50% | 70.2 | Surface Area (mm ²) | | |
| 30% | 63.6 | 60% | 73.8 | Unwound Core | 5,800 | |
| 35% | 65.5 | 70% | 77.9 | 40% Winding Factor | 8,300 | |

